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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/828,594
Filing Date	April 21, 2004
First Named Inventor	Luxem, et al.
Group Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket Number	1895-14998US02

Sheet 1 of 5

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
MK	A1	6,174,501	01-16-2001	Noureddini	pp. 1-20
MK	A2	5,527,449	06-18-1996	Brown, et al.	pp. 1-9
MK	A3	6,015,440	01-18-2000	Noureddini	pp. 1-10
MK	A4	5,713,965	02-03-1998	Foglia, et al.	pp. 1-8
MK	A5	5,578,090	11-26-1996	Bradin	pp. 1-6
MK	A6	5,520,708	05-28-1996	Johnson, et al.	pp. 1-6
MK	A7	5,525,126	06-11-1996	Basu, et al.	pp. 1-8
MK	A8	5,891,203	04-06-1999	Ball, et al.	pp. 1-5
MK	A9	5,424,467	06-13-1995	Bam, et al.	pp. 1-23
MK	A10	6,248,230	06-19-2001	Min, et al.	pp. 1-18
MK	A11	5,599,358	02-04-1997	Giavazzi, et al.	pp. 1-5
MK	A12	6,080,211	06-27-2000	Mathur	pp. 1-8

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>4</sup> -Number <sup>5</sup> -Kind Code <sup>6</sup> (if known)				
MK	A13	WO 0005327 A1	02-03-2000	Lockheed Martin Idaho Tech. Co.	pp. 1-16	
MK	A14	WO 9926913 A1	06-03-1999	Energea Handels Gmbh	pp. 1-34	
MK	A15	WO 9514520 A1	06-01-1995	Buettgen, et al.	pp. 1-44	
MK	A16	WO 9520637 A3	08-03-1995	Meg. S.N.C. Di. Scopelliti Sofia	pp. 1-16	
MK	A17	WO 9520637 A2	08-03-1995	Meg S.N.C. Di Scopelliti Sofia	pp. 1-56	

**OTHER ART -- NON PATENT LITERATURE DOCUMENTS**

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	A18	
	A19	
	A20	

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/Malini Krishnan/

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Application Number	10/828,594
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Group Art Unit	To Be Assigned
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MK	A21	5,308,365	05-03-1994	Kesling, Jr., et al.	pp. 1-5
MK	A22	6,001,141	12-14-1999	Quigley	pp. 1-7
MK	A23	6,086,645	07-11-2000	Quigley, et al.	pp. 1-7
MK	A24	5,389,113	02-14-1995	Demmering, et al.	pp. 1-4
MK	A25				
MK	A26				
MK	A27				
MK	A28				
MK	A29				
MK	A30				
MK	A31				
MK	A32				

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MK	A33	EP 773278 A1	05-14-1995	Ethyl Petroleum Additives Ltd.	pp. 1-10	
MK	A34	EP 773279 A1	05-14-1995	Ethyl Petroleum Additives Ltd.	pp. 1-9	
MK	A35	WO 0012743 A1	03-09-2000	Hideki, et al.	pp. 1-29	
MK	A36	EP 936265 A1	08-18-1999	Ethyl Corp.	pp. 1-9	
MK	A37	EP 775185 B1	05-28-1997	Topsoe Haldor As (DK); Amoco Corp. (US)	pp. 1-13	

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				Application Number	10/828,594
Sheet		3	Of	5	Filing Date April 21, 2004 First Named Inventor Luxem, et al. Group Art Unit To Be Assigned Examiner Name To Be Assigned Attorney Docket Number 1895-14998US02

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MK	A55	WO 9605274 A1	02-22-1996	Amoco Corp. (US); Topsoe Haldor AS (DK)	pp.1 -13	
MK	A56	EP 635558 B1	01-25-1995	EURON SPA	pp. 1-8	
MK	A57	WO 0144413 A2	06-21-2001	Alan, Rae (GB); AAE Techs. Intern., Ltd. (IE)	pp. 1-15	
MK	A58	WO 0160954 A1	08-23-2001	Breugel, et. al.	pp. 1-13	
MK	A59	EP 1032620 A1	09-06-2000	Rohmax Additives GMBH	pp. 1-30	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary))		Application Number	10/828,594
		Filing Date	April 21, 2004
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	A63				
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MK	A75	WO 9927037 A1	06-03-1999	Rohmax Additives GMBH	pp. 1-30	
MK	A76	EP 730485 A1	09-11-1996	Henkel KGAA	pp. 1-44	
MK	A77	EP 1034160 A1	09-13-2000	Energiea Umwelt Technologie GMBH	pp. 1-34	
MK	A78	JP 11256180 A2	09-21-1999	Ethyl Corp.		
MK	A79	JP 2000270886 A2	10-03-2000	Nagase & Co. Ltd.		

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MK	A97	WO 9409146 A1	04-28-1994	Instituut Voor Argo Technologi	pp. 1-18	
MK	A98	EP 667913 A1	08-23-1995	Inst Voor Agrotech Onderzoek	pp. 1-18	
MK	A99	WO 0162876 A1	08-30-2001	Alan, Rae (GB); AAE Techs. Intern., Ltd. (IE)	pp. 1-14	

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